REMARKS/ARGUMENTS

The Examiner is thanked for extending the courtesy of an interview with Applicant's representatives on November 16, 2007.

Reconsideration and allowance of this application are respectfully requested. Claims 1-48 are pending in this application.

Rejection Under 35 U.S.C. §112

Claims 1-48 were rejected under 35 U.S.C. §112, first paragraph, as allegedly failing to comply with the written description requirement. In particular, the Office Action alleges that there is no teaching in the specification of "covering a family of a plurality of variations." The Office Action further alleges that "The Specifications is silent as to the term 'family.'" To expedite prosecution of the present application, Applicants have deleted the term "family" from the claims.

Claims 1, 8, 9, 10, 11, 12, 13 and 14 were rejected under 35 U.S.C. §112, second paragraph, as allegedly being indefinite. In particular, the Office Action alleges that the terms "unnecessary" and "necessary" are indefinite. As discussed and suggested during the interview, Applicant has changed "unnecessary" and "necessary" to "non-selected" and "selected", respectively.

Accordingly, Applicant respectfully requests that the rejections under 35 U.S.C. §112 be withdrawn.

Rejections Under 35 U.S.C. §102 and §103

Claims 1-5, 7-16, 19, 23, 27, 31, 35, 39, 43 and 47 were rejected under 35 U.S.C. §102 as allegedly being anticipated by Hanselmann. Claim 6, 17-18, 20-22, 24-26, 28-30, 32-34, 36-38, 40-42, 44-46 and 48 were rejected under 35 U.S.C. §103 as allegedly being unpatentable over

Hanselmann in view of admitted prior art (APA). Applicant respectfully traverses these rejections.

For a reference to anticipate a claim, each element must be found, either expressly or under the principles of inherency, in the reference. Each element of the claimed invention is not found Hanselmann. For example, Hanselmann fails to disclose or even suggest following limitations of claim 1: "acquiring selection information, from a source external to the code generation apparatus, capable of indicating at least one of selection and deletion of a certain specific part of the plurality of specific parts using a part specifier specifying the certain specific part; and deletion and generation means for generating the source code from *a certain model, which is generated using the given model acquired by the model acquisition means based on the selection information acquired by the selection information acquisition means*, the certain model covering a selected variation selected from the plurality of variations and not covering a non-selected variation (emphasis added)."

By way of example, an original ("given") model covers a plurality of variations, such as engine types V6, V8 and I6. A "certain" model is generated from a "given" model to only cover a selected variation and to exclude a non-selected variation through the "selection and deletion of a certain specific part of the plurality of specific parts using a part specifier specifying the certain specific part" as claimed. For example, the following diagram (formed from Figs. 2, 3 and 6 of the application) illustrates that a first "certain" model may be generated from a "given" model covering a plurality of variations V6, V8 and I6, the first "certain" model covering selected variation V6, but excluding non-selected family variations V8 and I6.

"Given model covering a plurality of variations"

"Certain model covering a
selected variation
selected from the plurality of
variations and not covering a
non-selected variation"
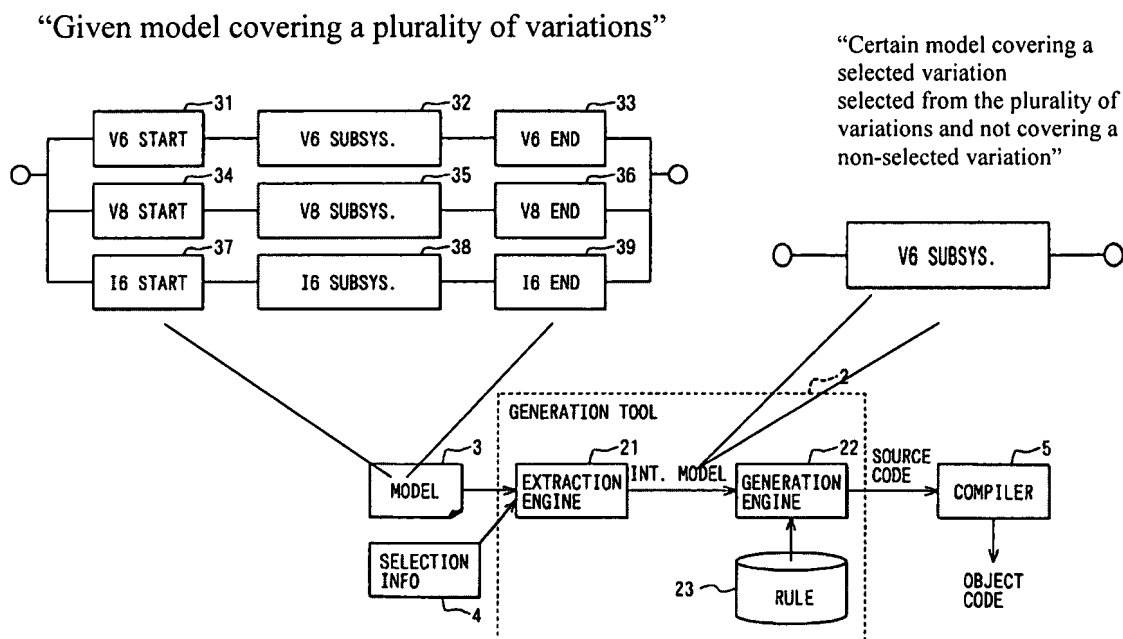
A second "certain" model may be generated from the same "given" model to cover selected variation V8, but to exclude non-selected variations V6 and I6 based on different selection information. Also, a third "certain" model may be generated from the same "given" model to cover selected variation I6, but to exclude selected variations V8 and V6 based on different selection information. Source code is generated from the certain model (whichever certain model is generated).

In contrast, Hanselmann does not teach a code generation apparatus which performs generating a "certain" model from a "given" model to cover a selected variation and to exclude a non-selected variation through the selection and deletion of a certain specific part of the plurality of specific parts. For example, Hanselmann does not disclose or suggest a code generation apparatus in which a "given" model covering a plurality of variations V6, V8 and I6 is used to generate a "certain" model to cover selected variation V6, but to exclude non-selected variations

V8 and I6 based on the selection information received from a source external to the code generation apparatus (e.g., information from a user).

In claim 1, a given model covering a plurality of variations is subjected to a selection procedure using a part specifier specifying a certain specific part. Source code is generated from a certain model, the certain model covering a selected variation corresponding to the certain specific part and not covering a non-selected variation.

In contrast, Hanselmann does not disclose or suggest the presence of a "part specifier" specifying a certain specific part used for selecting a variation from the plurality of variations in a given model to generate a certain model. Page 5 of the Office Action makes reference to a "drag-and-drop of simulator parameters." However, this "drag-and-drop" is a tool which is not capable of selecting a variation from the plurality of variations in a given model to generate a certain model for source code generation. Moreover, the "drag-and-drop" disclosed in Step 4 (pg. 4, right column) is for specifying input/output (e.g., A/D converters) for a real time *test* at a real plant, and thus fails to disclose the selection for code generation as required by claim 1.

Accordingly, Applicant requests that above-noted rejections under 35 U.S.C. §102 and §103 be withdrawn.

Conclusion:

Applicant believes that this entire application is in condition for allowance and respectfully requests a notice to this effect. If the Examiner has any questions or believes that an interview would further prosecution of this application, the Examiner is invited to telephone the undersigned.

OI et al
Appl. No. 10/761,207
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Respectfully submitted,

NIXON & VANDERHYE P.C.

By: _____
　　　　　　Raymond Y. Mah
　　　　　　Reg. No. 41,426

RYM:dmw
901 North Glebe Road, 11th Floor
Arlington, VA 22203-1808
Telephone: (703) 816-4000
Facsimile: (703) 816-4100